

DAIMLERCHRYSLER

DaimlerChrysler
India Private Limited

Pune, June 24, 2005

Workshop Incharge

DC India Authorised Workshops

Service Measure during next workshop visit

~~Explain battery control unit~~

Accounting No. 5498031.

Dear All,

We are in receipt of the subject Service Measure from DCAG for vehicle model W 211. On these vehicles, implausible or illogical messages can appear in the instrument cluster and consumers are then shut down. The reason for this is that the battery control unit (BSG) has evaluated the charge level of the battery as good although the actual charge level is insufficient. For this reason we need to reprogram the vehicle's battery control unit on the vehicle's **next visit to the workshop**. Please refer to the accompanying work descriptions for the procedures.

During the reprogramming, please ensure that there is a sufficient vehicle voltage supply (greater than 12.5 V) using the battery charger. If programming is aborted, the battery control unit will not be operational anymore.

The list of the affected vehicles is included in the enclosed CD. Please note that the locations mentioned in the list are only indicative and any vehicle mentioned in the list visiting your workshop has to be attended for this Campaign.

Operation texts and flat rates:

Please refer enclosed Work Instructions.

Damage code: 054980318.

Accounting No.: A warranty/goodwill claim for the costs of labour and material (if any) may be submitted to us, quoting the accounting number **5498031**.

Board of Management
Klaus Peter Arnold, Piyush Arora, Hans-Michael Huber (Speaker),
Suhaz Kadlaskar, Augustus Mallier, Sanjiv Sahajwala

A Company of the DaimlerChrysler Group

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Handwritten notes:
Note - please about
Yes...
Vaid...
Same...
2

It is **mandatory** for you to ensure that the vehicles visiting your workshop are also checked and attended, if applicable, for the below mentioned Service Measures released by us.

1. Recall campaign - Mount ground line & bracket on SBC wiring harness, accounting number 5496033.
2. Recall campaign - Check SBC hydraulic unit and replace if necessary, accounting number 4391101.
3. Check alternator regulator and replace it, if necessary, accounting number 5493001.

Completion Deadline: This service measure should be completed by ~~31st March 2006~~

Kindly explain the above instructions to your concerned staff and also provide your **personal attention** to complete this campaign as soon as possible.

For any queries you may have related to this information & activities, please immediately contact the right undersigned or Mr. Devendra Thakur.

Please acknowledge receipt of this letter.

With best regards,
DaimlerChrysler India Private Limited



D. Chandavarkar
Director
After-Sales



Ashish Salvi
Dy. General Manager
Field Service

Copies to - DCIPL Service Representatives } for close follow up with the workshops.

Encl. - Work Instructions
- CD with affected vehicle details

SERVICE MEASURE WORK DESCRIPTION

Code: 0502P54A10

Program battery control unit (BSG)
Models 211 and 219

Version: 2.8

Scope of work

Note:

Before carrying out the work, ensure that the DAS version 04/05, including the 0374 add-on, or a higher DAS version is used.

If DAS is already connected to the vehicle, please begin with **step 3**.

1. Connect STAR DIAGNOSIS to the vehicle using the 16-pin diagnostic connector (X11/4).

The DAS steps must be followed exactly as described!

2. Switch on ignition.

3. Connect battery charger.

Note: Ensure that there is a sufficient vehicle voltage supply (greater than 12.5 V) using the battery charger.

- W211/C219: The negative terminal of the battery charger must not be connected to the vehicle battery but at the body bolt-on point for the battery control unit.
- S211: Battery charger must not be connected to the vehicle battery but at the jump-starting point in the engine compartment.

If programming is aborted, the battery control unit will not be operational anymore.

4. Select the battery control unit in the control unit selection menu. For this:

- Select "Control units" menu item → "Body" → "Battery control unit (BSG)".

5. After the "Battery control unit (BSG)" menu item has been selected, DAS checks whether the battery control unit has to be programmed.

- If DAS indicates that the control unit has to be programmed, continue with the F3 "YES" key.
- If it does not need to be programmed, the "Standard control unit menu selection" for the "Battery control unit (BSG)" is displayed. In this case, continue with **step 7**.

6. Program "Battery control unit (BSG)".

Note: If "SDflash release directory" is requested, the hard drive as well as the DVD drive can be selected (flash software is identical in both directories).

7. Disconnect STAR DIAGNOSIS from the vehicle using the 16-pin diagnostic connector (X11/4).

Operation text and flat rate

Operation no.	Operation text	Flat rate	Accounting no.
02-4762	Disconnect and connect Diagnosis Assistance System (DAS)	0.2 hours	5498031
02-4763	Program battery control unit (BSG) (DAS connected)	0.1 hours	5498031

MODEL 211

Modification notes

28.10.03	Notes on Remedy updated: Part numbers and Quality (Q) statuses		
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Operation no. of operation texts or standard texts and flat rates

Category	Op. no.	Operation text	Time	Acc. no.	Code
P	541011	Perform quick test	004 WU	---	---
P	542300	Replace control unit for on-board electrical system (after testing) Model 211.0	009 WU	---	---
P	542300	Replace control unit for on-board electrical system (after testing) Model 211.2	012 WU	---	---

Damage code	Cause	Remedy	
	<p>Fault in battery control unit (BSG) Q03 status. (Part number 211 540 1345)</p> <p>I If the battery is discharged, fault 9000 "Control unit defective" may be stored by the battery control unit (BSG). This could cause the fault message "Battery: Visit workshop" to appear in the instrument cluster (IC).</p>	<p>1 Check Q status and part number of battery control unit (BSG).</p> <p>I Do not replace BSG with following part numbers: ↓</p> <p>- 211 540 13 45 with Q5 status or higher</p> <p>- 211 540 27 45 with Q1 status or higher</p>	
	<p>I Message: "Malfunction - Electrical consumers switched off!"</p>	<p>I If a battery control unit with part number 211 540 13 45 and Q1...Q4 status is installed: ↓</p>	
54 849 73	<p>This message appears in the multifunction display of the instrument cluster if the battery control unit (BSG) detects a low battery charge level.</p> <p>Messages displayed in white serve only to inform the driver that power consumers which have no impact on driving safety will be switched off until the overall condition of the battery has stabilized.</p> <p>This message appears in the instrument cluster to notify the customer of the low capacity of the battery.</p> <p>If the battery voltage is too low, the heated seats and/or heated rear window may switch off automatically.</p> <p>Indication is provided by flashing indicator lamps on the corresponding switches.</p>	<p>2 Remove/install/replace battery control unit (BSG).</p>	

AF54.10-P-8030A	Error message in instrument cluster in red lettering at high outside temperatures and faults codes 9050 and 9051 are stored in the battery control unit	20.10.03
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MODEL 211.### ## up to 350386

Operation no. of operation texts or standard texts and flat rates

Category	Op. no.	Operation text	Time	Acc. no.	Code
P	541011	Perform quick test	004 WU	---	---
P	542300	Replace control unit for on-board electrical system (after testing) MODEL 211.0	009 WU	---	---
P	542300	Replace control unit for on-board electrical system (after testing) MODEL 211.2	012 WU	---	---

Damage code	Cause	Remedy	
54 849 73	<p>Battery control unit (BSG).</p> <p>[i] At high temperatures (more than 50 °C) in the spare wheel well, unstable conditions can occur for the battery control unit (BSG). The BSG cannot display any voltage or current values in these conditions.</p> <p>The following fault messages could be shown in red lettering in the instrument cluster (KI):</p> <ul style="list-style-type: none"> • "Stop! Battery/Alternator" • "Brake defective! Stop the vehicle!" 	<p>1 Check Q-status and part number of battery control unit (BSG).</p> <p>[i] As of VIN end no. 350387 temperature tested battery control units with a software release of Q1 (A 211 540 27 45) and with a white HT stamp on the housing are installed in the series production.</p> <p>[i] As of VIN end number 363850 temperature tested battery control units with a new software release of Q2 (A 211 540 27 45) are being installed in the series production. The white stamp on the housing is now omitted.</p>	
	<p>[i] Furthermore, fault codes 9050 and 9051 for consumer shutoff stages 1 and 2 are stored in the battery control unit.</p>	<p>[i] If a battery control unit (BSG) is installed with an older Q-status:</p>	
		<p>2 Remove/install/replace battery control unit (BSG).</p>	

Parts ordering notes

Part no.	Designation	Quantity
211 540 27 45	Battery control unit	as required